

DATA STORAGE SYSTEM

Abstract of the Disclosure

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A data storage system wherein end-user data is transferred between a host computer and a bank of disk drives through an interface. The interface includes a memory and a plurality of directors interconnected through an interface state data bus and a plurality of end-user data busses. At least one front-end one of the directors is in communication with the host computer and at least one rear-end one of the directors is in communication with the bank of disk drives. The interface state data bus section is in communication with: both the at least one front-end one and the at least one rear-end one of the directors; and to the memory. Each one of the plurality of end-user data buses has a first end coupled to a corresponding one of the plurality of directors and a second end coupled to the memory. The plurality of directors control the end-user data transfer between the host computer and the bank of disk drives through the memory in response to interface state data generated by the directors as such end-user data passes through the end-user data busses. The generated interface state data is transferred among the directors through the memory as such end-user data passes through the end-user bus.

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